User Manual for Ceiba Software

by Initial Concept Solutions Limited

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1 Overview

Ceiba is the PC software which is used to manage the MDVR video files within a LAN network

The main features for this software include:

1) Playback and Analyse all the recorded video files (the regular files and the event files)
2) Event file filtering
3) Remote and local playback
4) Clipping the video files

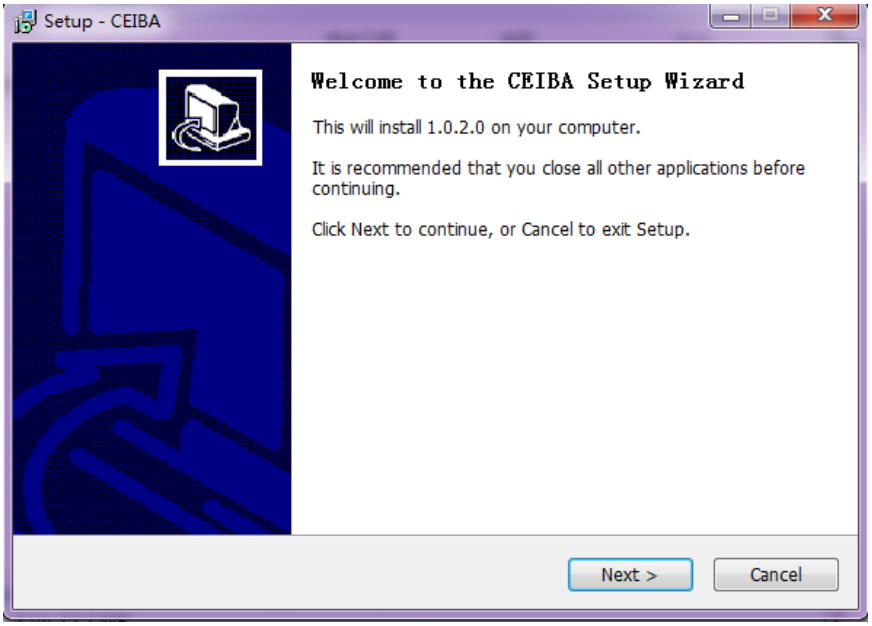
Ceiba is integrated software combining the playback, video analysis, live view, video download functions. This manual explains the playback and video analysis functions only.

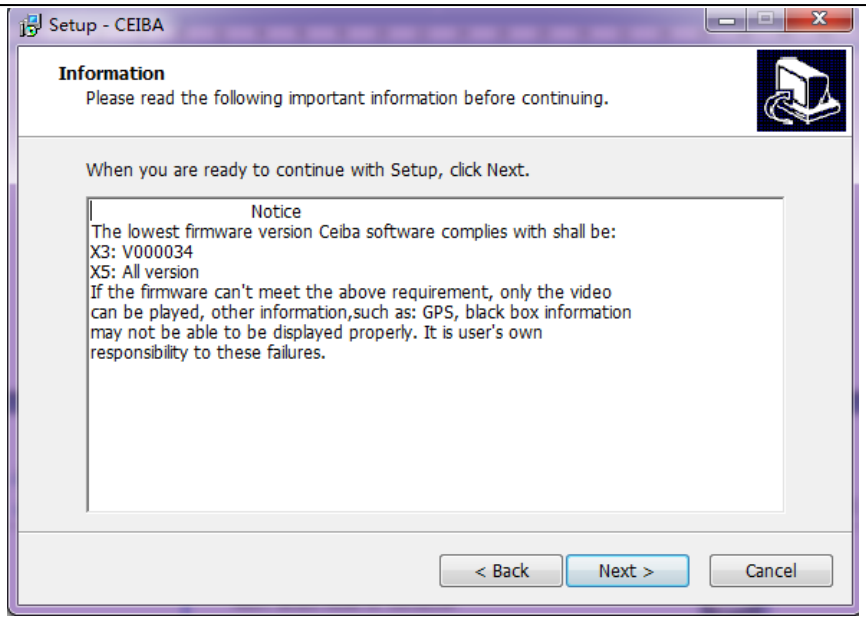
There are two versions of the Ceiba software: server and client. “Server” is used to get the vehicle online information, and “client” is for user to operate the MDVR.

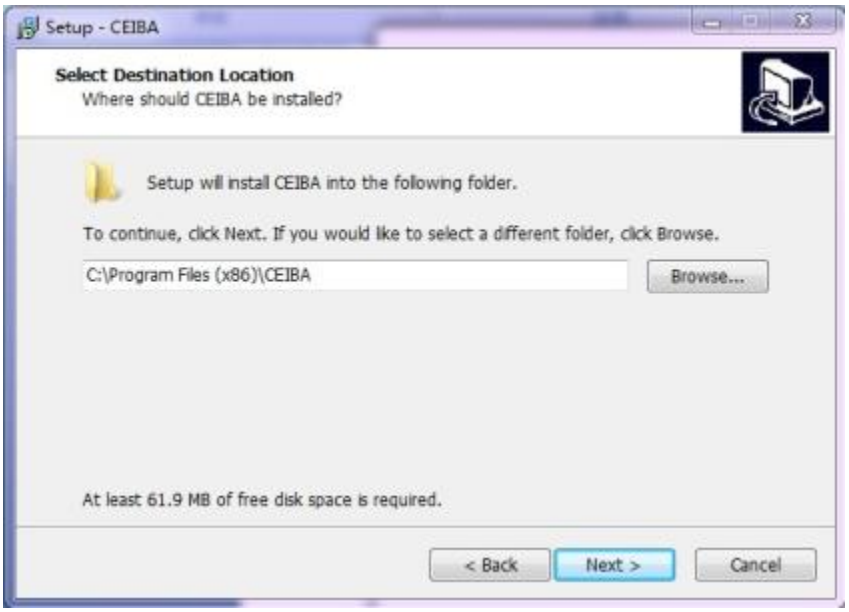
2 Local Playback Operation

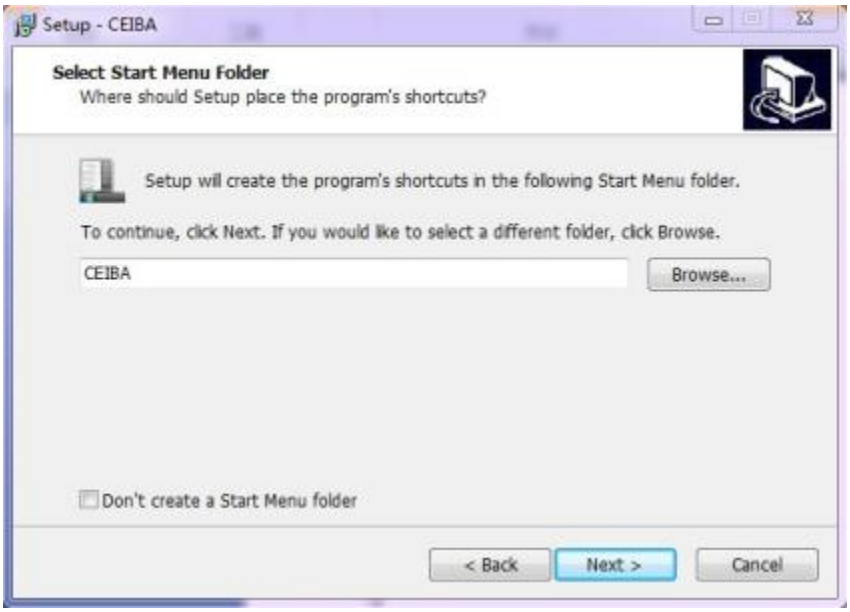
For local playback; install the client version only. But for remote playback, Ceiba server “must” be installed.

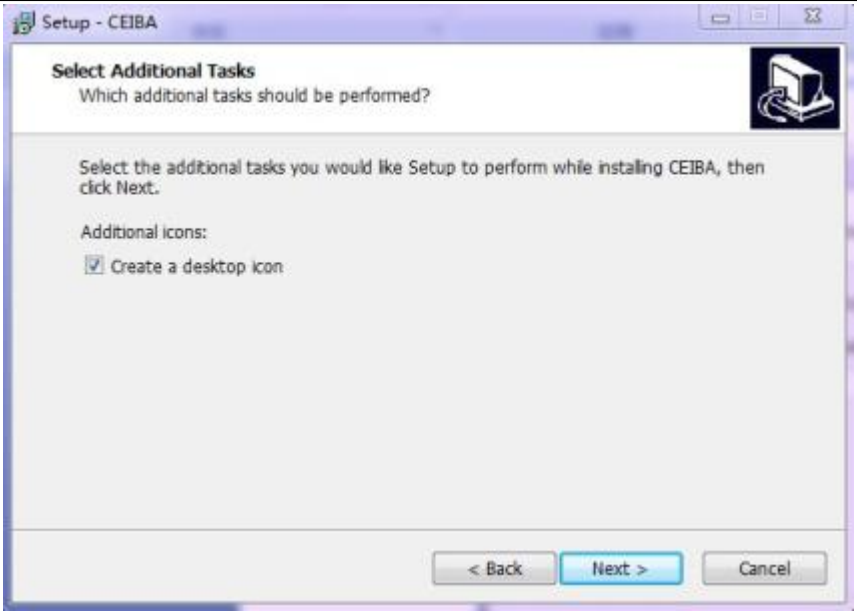
2.1 Client Installation

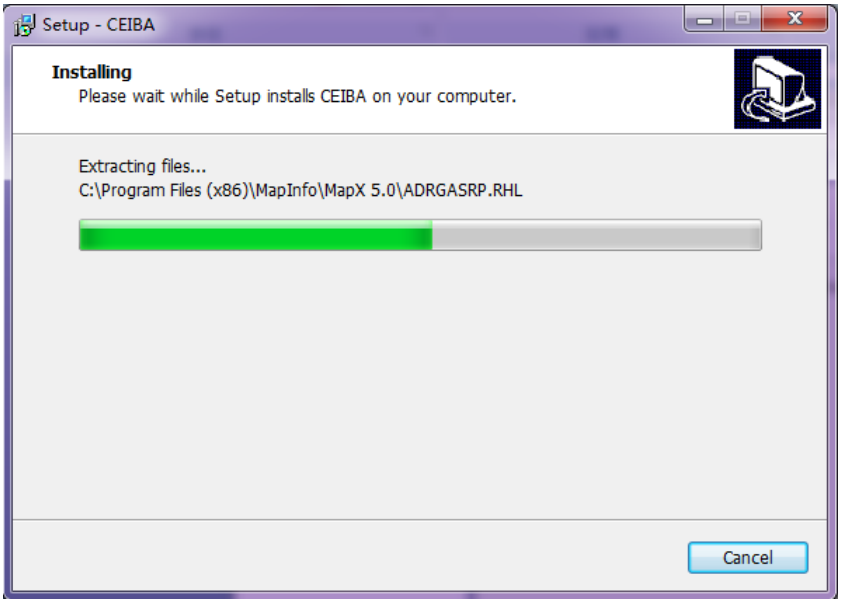

Setup - CEIBA
Welcome to the CEIBA Setup Wizard
This will install 1.0.2.0 on your computer.
It is recommended that you close all other applications before continuing.
Click Next to continue, or Cancel to exit Setup.
Next >
Cancel

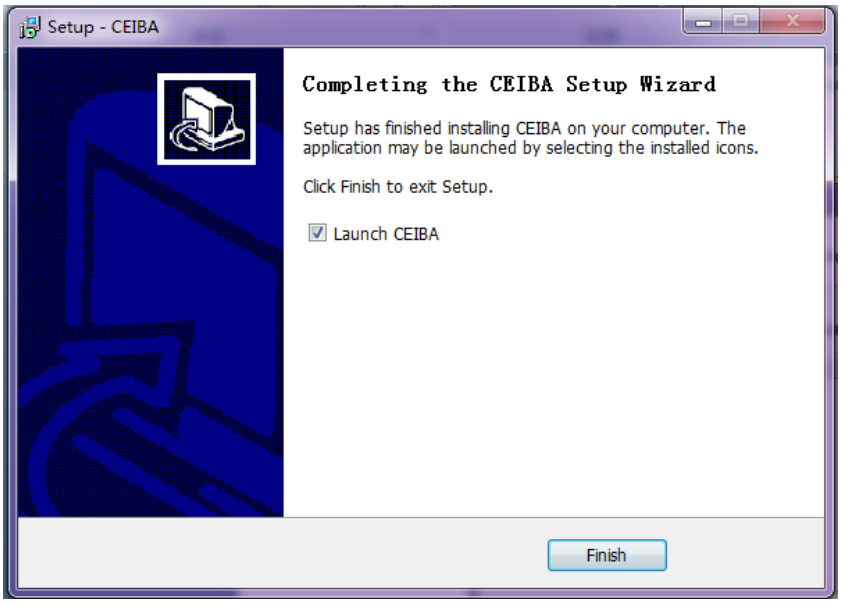

Setup - CEIBA
Information
Please read the following important information before continuing.
When you are ready to continue with Setup, click Next.
Notice
The lowest firmware version Ceiba software complies with shall be:
X3: V000034
X5: All version
If the firmware can't meet the above requirement, only the video
can be played, other information,such as: GPS, black box information
may not be able to be displayed properly. It is user's own
responsibility to these failures.
< Back
Next >
Cancel


Setup - CEIBA
Select Destination Location
Where should CEIBA be installed?
Setup will install CEIBA into the following folder.
To continue, click Next. If you would like to select a different folder, click Browse.
C:\Program Files (x86)\CEIBA
Browse...
At least 61.9 MB of free disk space is required.
< Back
Next >
Cancel


Setup - CEIBA
Select Start Menu Folder
Where should Setup place the program's shortcuts?
Setup will create the program's shortcuts in the following Start Menu folder.
To continue, click Next. If you would like to select a different folder, click Browse.
CEIBA
Browse...
Don't create a Start Menu folder
< Back
Next >
Cancel


Setup - CEIBA
Select Additional Tasks
Which additional tasks should be performed?
Select the additional tasks you would like Setup to perform while installing CEIBA, then click Next.
Additional icons:
Create a desktop icon
< Back
Next >
Cancel

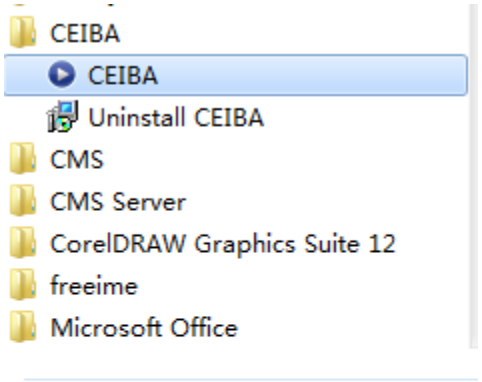

Setup - CEIBA
Installing
Please wait while Setup installs CEIBA on your computer.
Extracting files...
C:\Program Files (x86)\MapInfo\MapX 5.0\ADRGASRP.RHL
Cancel


Setup - CEIBA
Completing the CEIBA Setup Wizard
Setup has finished installing CEIBA on your computer. The application may be launched by selecting the installed icons.
Click Finish to exit Setup.
Launch CEIBA
Finish

After the installation, the Ceiba icon will be displayed on the desktop computer.

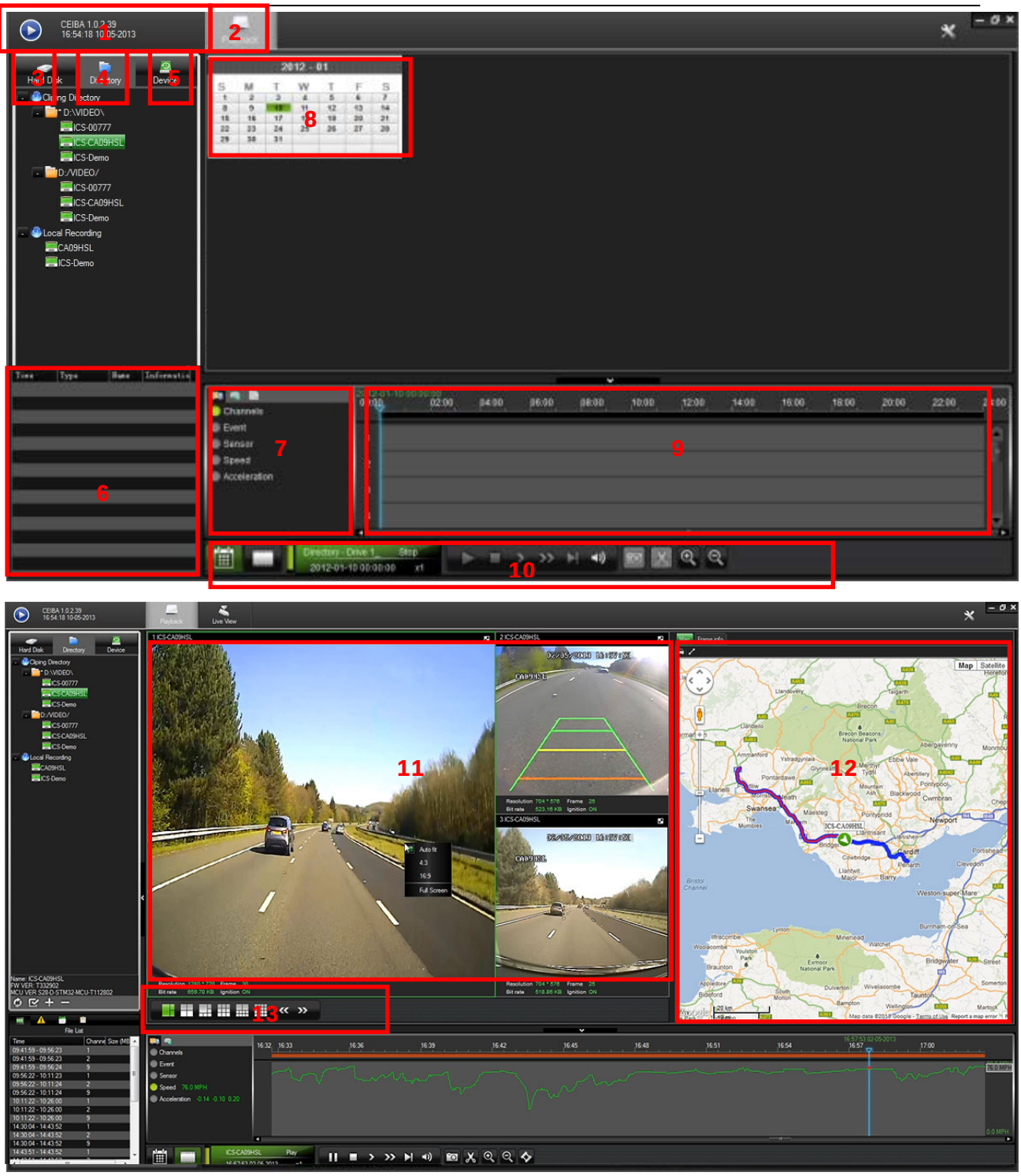
2.2 Client Uninstallation

Go to START—ALL PROGRAMS—Ceiba to select Uninstall Ceiba to delete Ceiba Client software



2.3 The Main Interface Introduction

Double click on the Ceiba icon to start the software. If you use WIN7, run it as “Administrator” to make sure all the software functions work correctly.



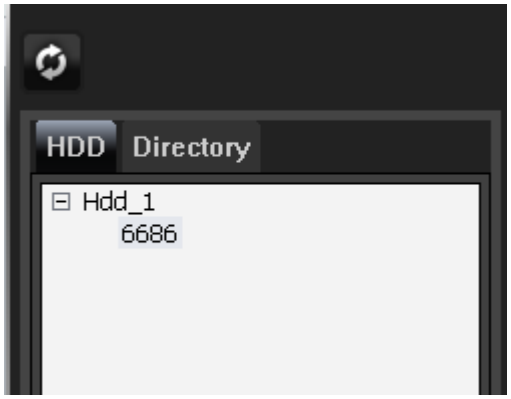
1) Version number
2) Playback mode. Currently the Ceiba supports playback function only.
3) Ceiba supports three different ways for video playback.

   The first one is for local playback. Just remove the MDVR removable hard disk case (or SD card) and connect it with the PC directly by using the USB port (or insert the SD card into the card reader). In this situation, select the hard disk icon to playback the video file. All the video files from the external hard disk or SD card will become available for playback directly.
4) If you connect the hard disk or SD card to the PC and download the video files to PC. The files are stored on the PC directly; please select the appropriate directory icon for playback.

5) Playback video files remotely by WIFI or via the LAN.
6) The file list after searching
7) Different events for playback
8) Calendar shows which days are valid for video files playback
9) Shows the video/alarm/speed chart details
10) Operation bar
11) Video file playback window
12) GPS map
13) Image display mode

2.4 Search the Hard Disk Files

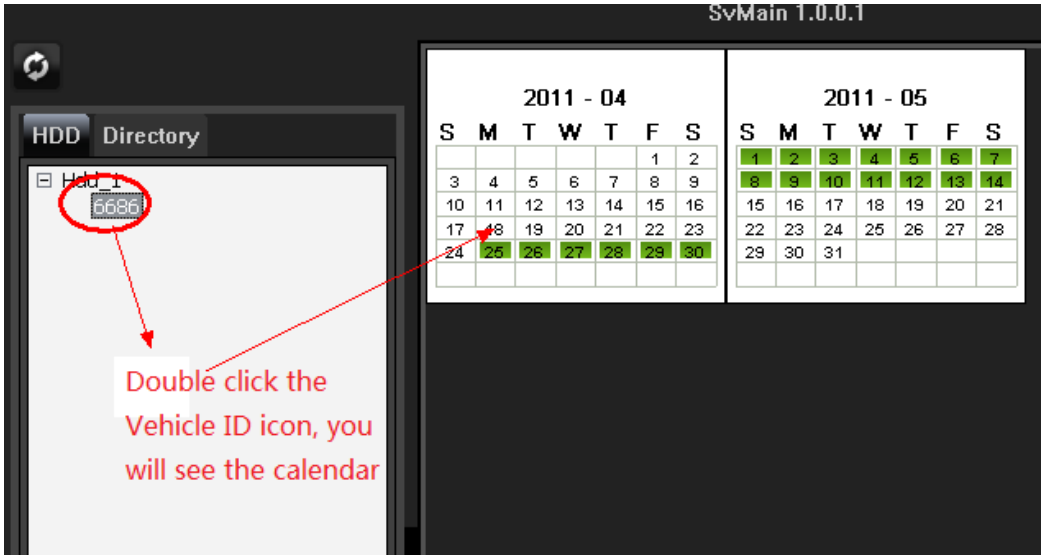
If you connected a hard disk or SD card to the PC, after you run this software, you will see the hard disk list at the top left of the window. If you can't see the list, please click to refresh it. See below:



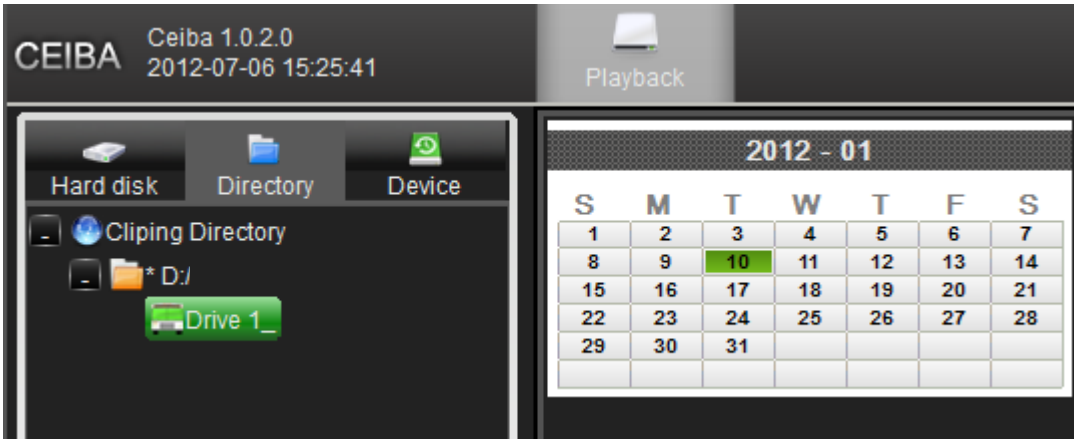
2.5 Search the Calendar

After displaying the hard disk list, please double click the sub icon for the vehicle number. For example in the figure below; double click 6686 (6686 this is the vehicle number example), The file calendar will be displayed as shown below, GREEN highlighted days show normal recorded files. Days highlighted in RED indicate that on these days only alarm files have been recorded.

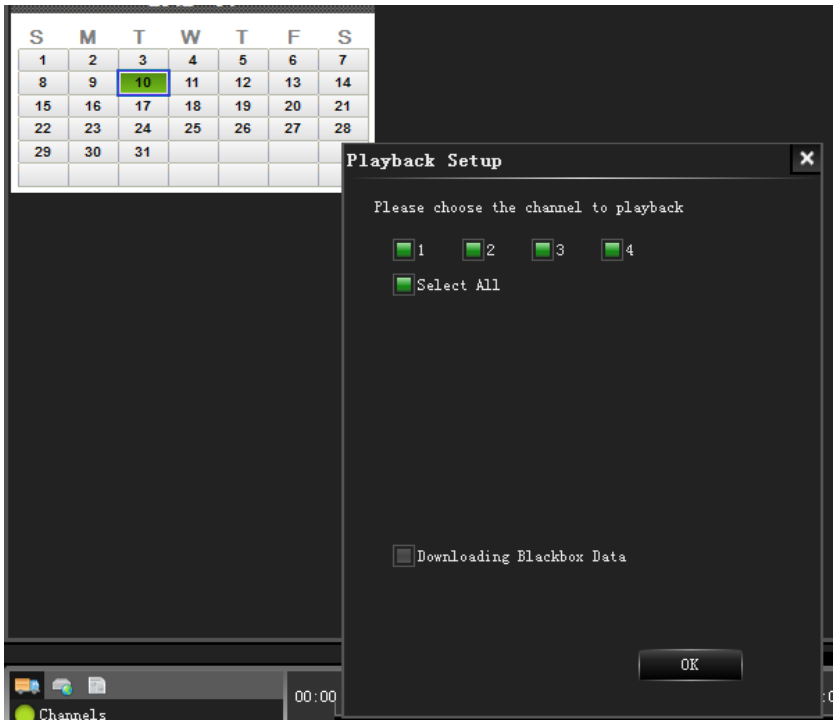
See Figure below:-



If you click a date indicated in green, the system then displays the channels that will need to be selected for playback.



Select the channel to playback. See below:-

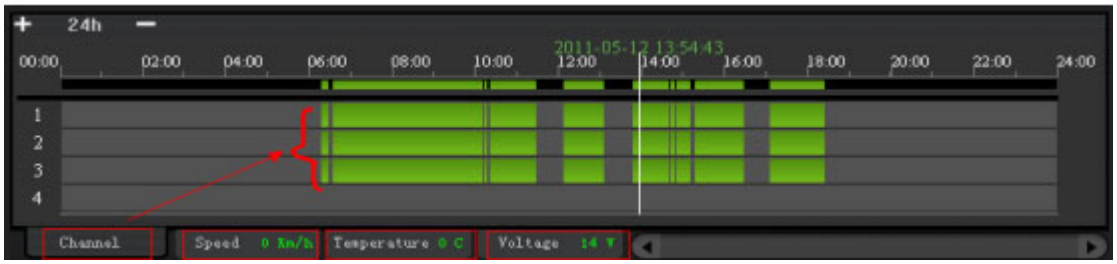


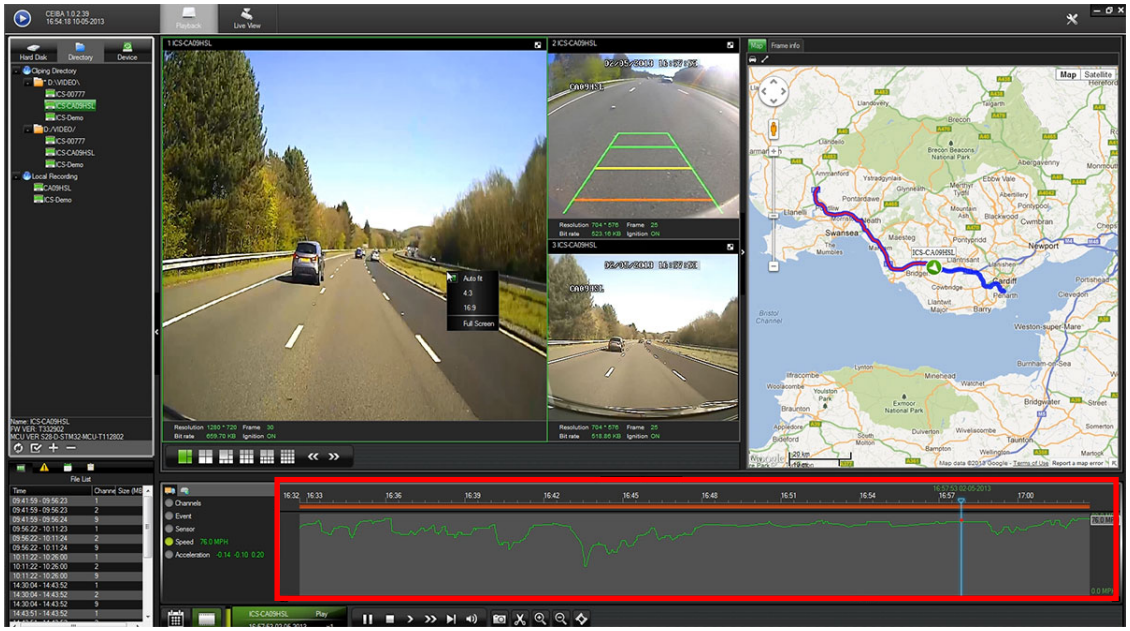
After selecting the channel click OK, the system will then playback the video files automatically.

2.6 Linking Playback

Linking playback means that the video, audio, GPS data, metadata can be playback synchronously. Meanwhile the metadata information will be analysed as well. Drag the bar to different time for playback, the GPS data, metadata will be refreshed as well.

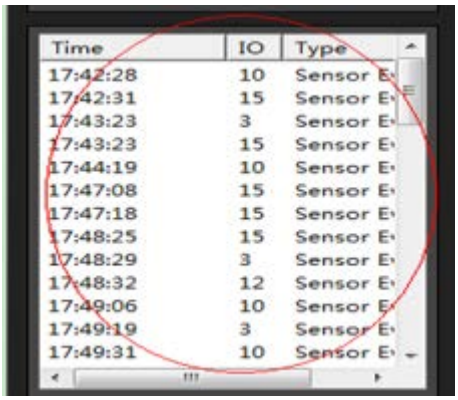
See Below:-





2.7 Event File List

Double click the vehicle number, the calendar appear, select the date to display the file list.



Double click an event file for playback.

2.8 Operation Bar

During playback of the video file you can use the operation bar to play, pause etc.

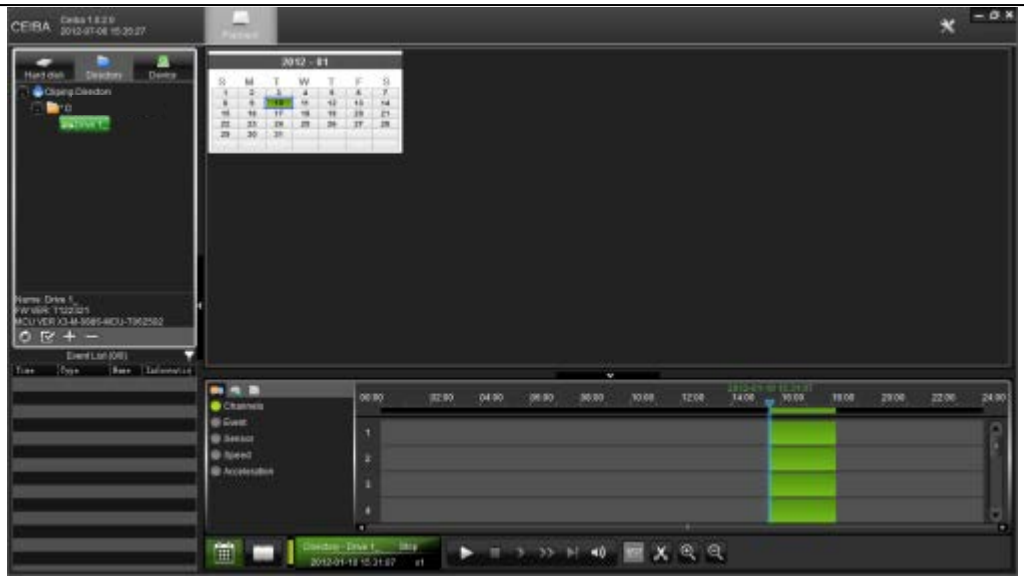
1) Video Playback Window and Calendar Switch

2) Display Information

3) Play & Pause

4) Stop

(If you select the stop button, the system will stop playback and return to the calendar search interface)



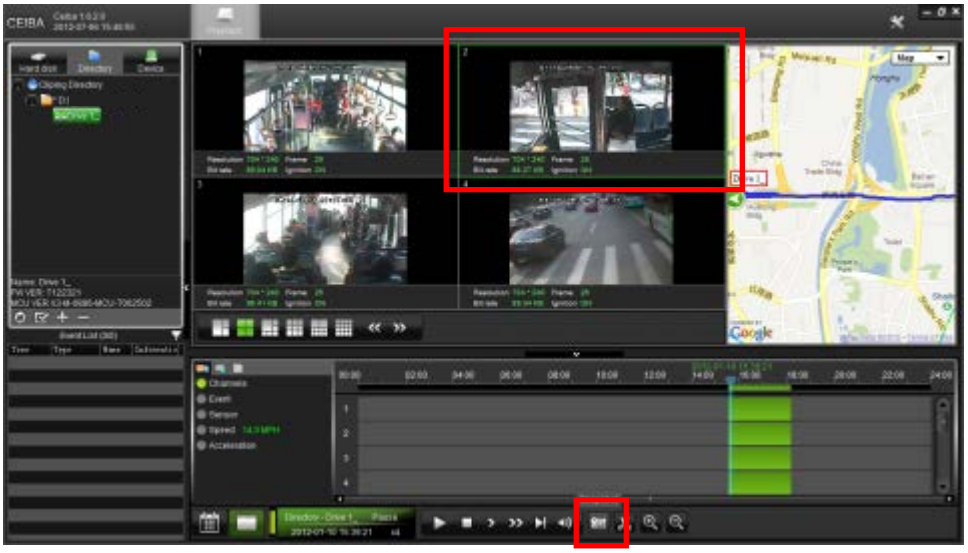
5) Slow Forward and Fast Forward

6) Next Frame Playback

7) Volume Control

8) Snapshot

If you want to take snapshot of a video, select the video window as shown below, and then click the snapshot (camera) icon. Select the a file path and location to save the snapshot.



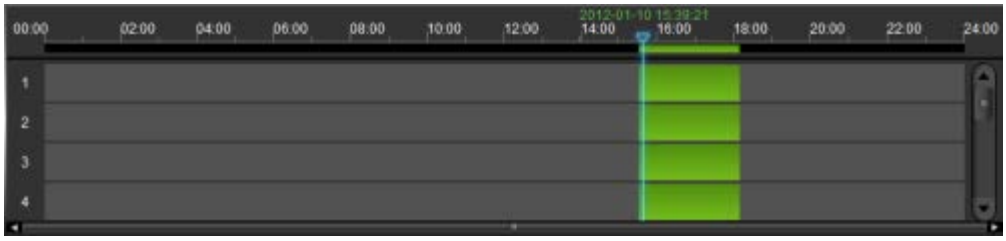
9) Video Clip

10) Zoom in and out

2.9 Event Diagram

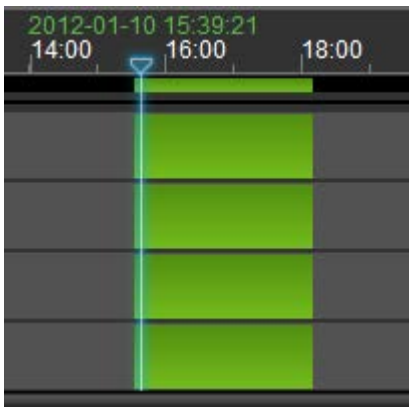
1) Time Bar and Video Period Display

When selecting a date in the calendar. If the date is valid with recorded video files, the time bar will turn to green to indicate the period of the recorded video.



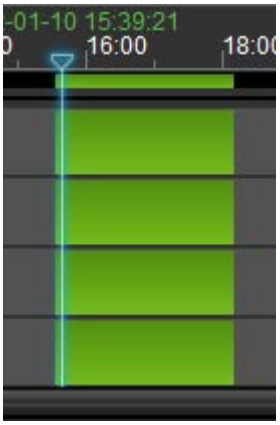
2) Drag Bar

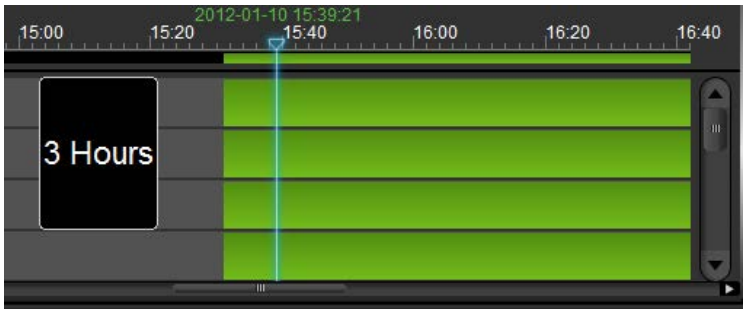
Drag the bar to point different time to get the corresponding video files and metadata information, GPS location etc.



3) Zoom Bar

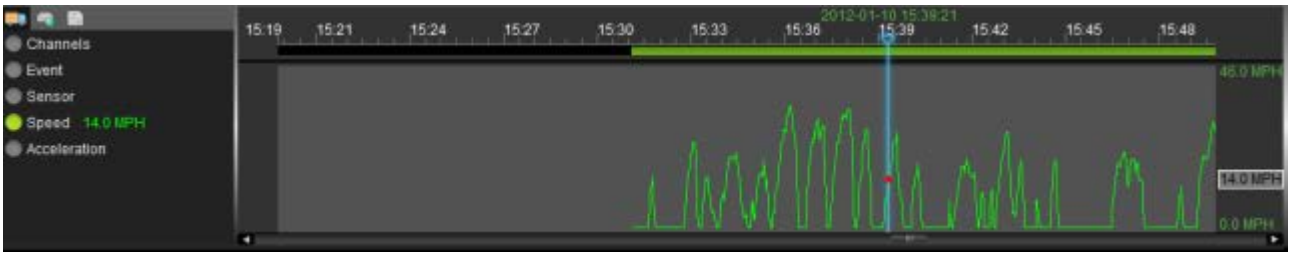
Drag the zoom bar to zoom in or zoom out the time scale.

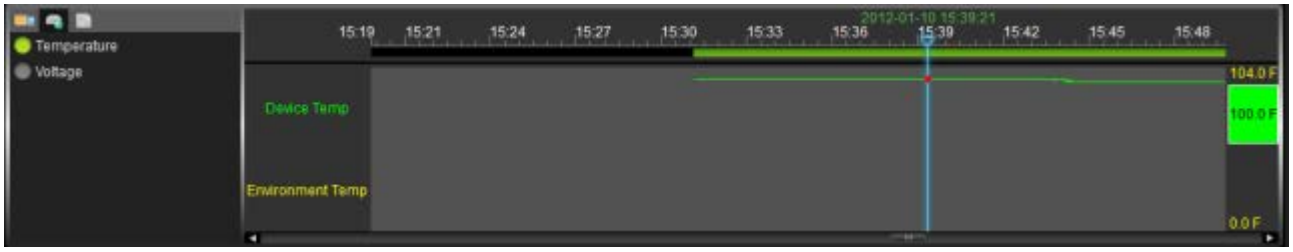




4) Diagram for Metadata Analysis

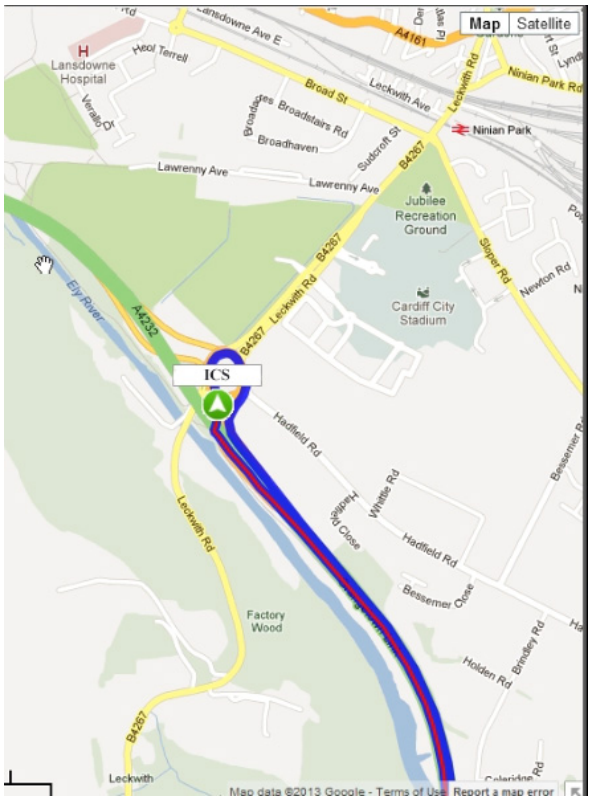
Select the Zoom In and Out icon to enlarge or reduce the bar graph for the metadata.

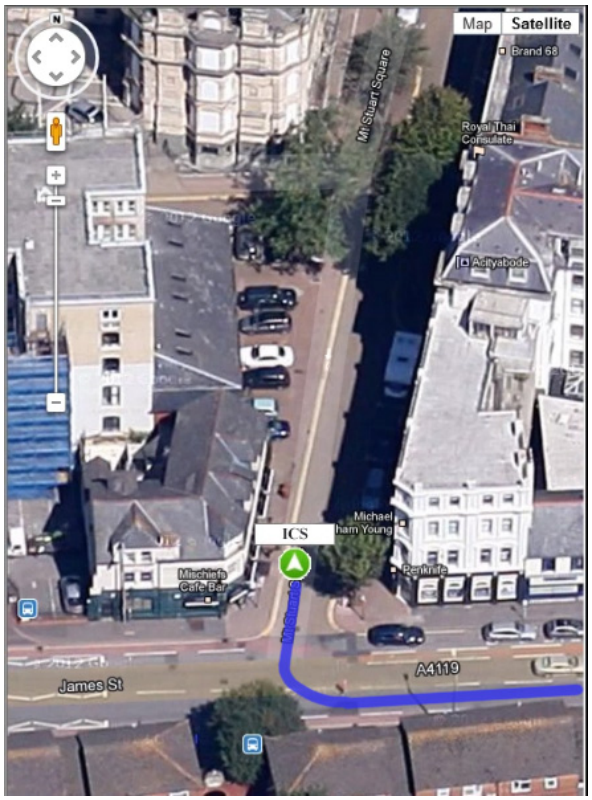




2.10 Map Control

The map displays the real GPS location and GPS tracking lines during playback of the video files. Ceiba software can support different map styles including; Map, Satellite, Hybrid and Terrain.

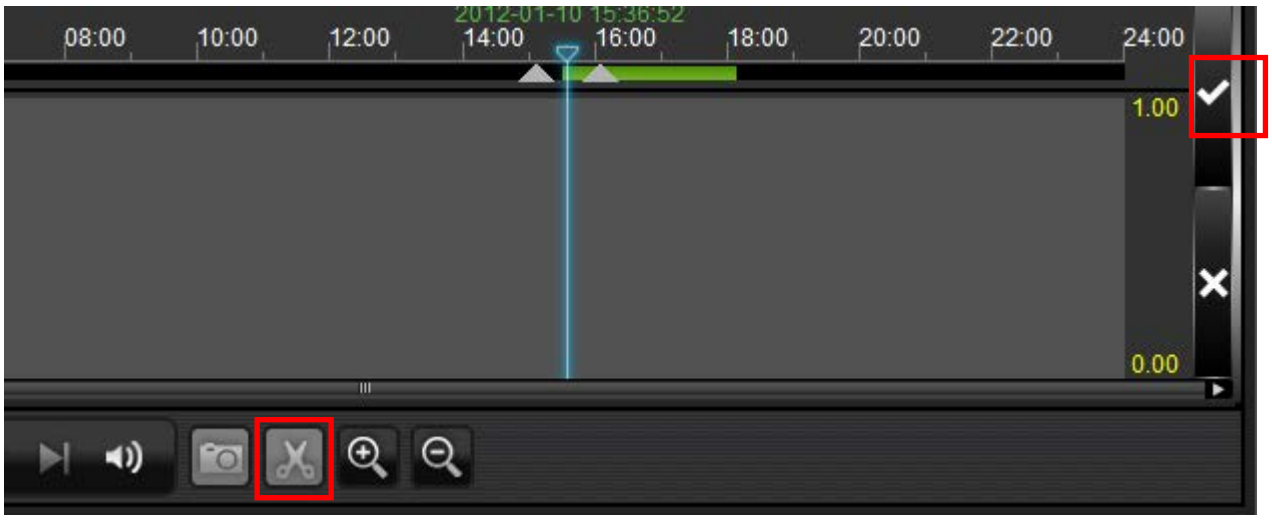




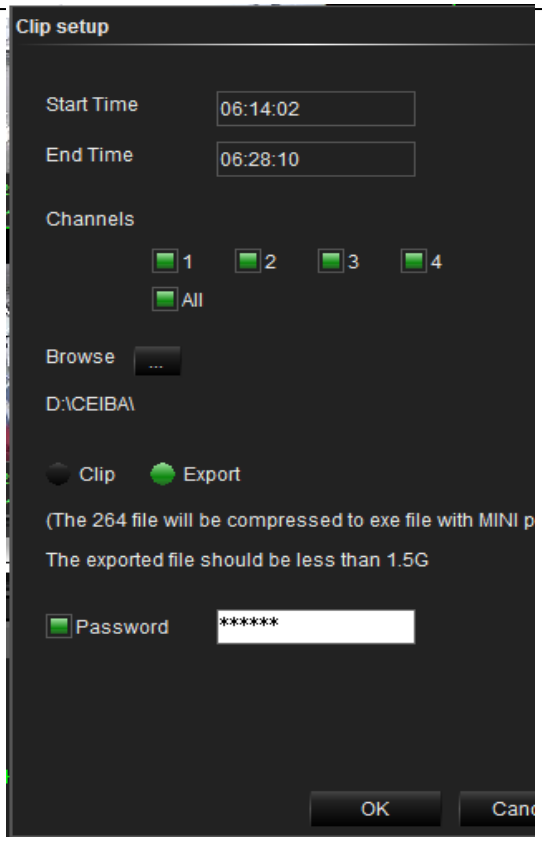
2.11 Video Clip

When you clip the video file, it will also clip the corresponding black box data and log file, and save all the data within the same storage path. When you start to clip a video file, the video playback will stop.

Select the video clip icon (scissors) and then click the icon √ on shown on the right below.



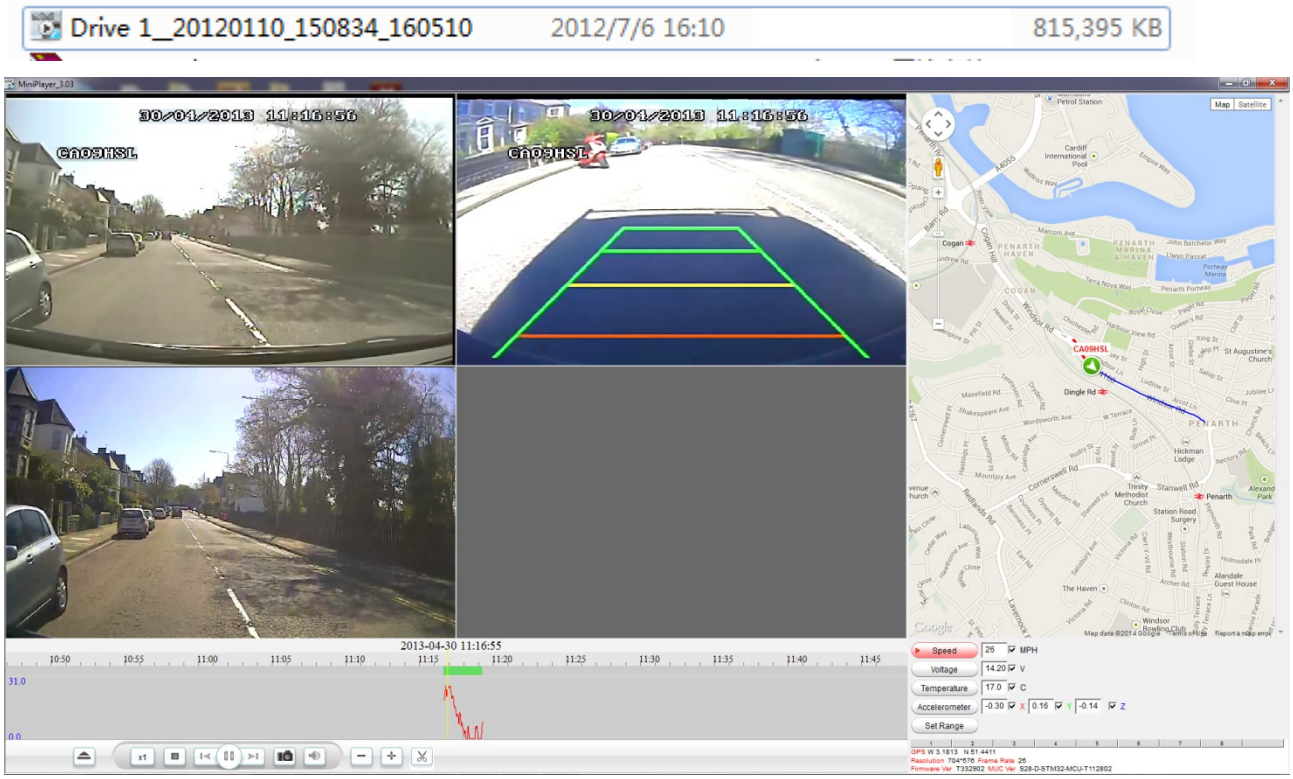
The following interface will then be displayed.



Using this interface, you can setup the start time and end time of the video you want to clip; you can also choose the channel for clip and it's save path on the computer.

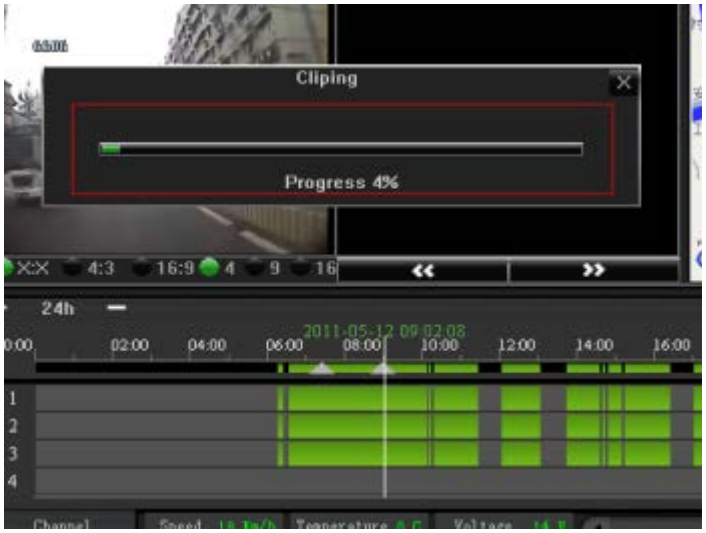
CLIP means; clip the video only.

EXPORT means; it will export the Miniplayer and video complete as an .exe file. You can playback this exe file directly on another computer without needing to install any software.

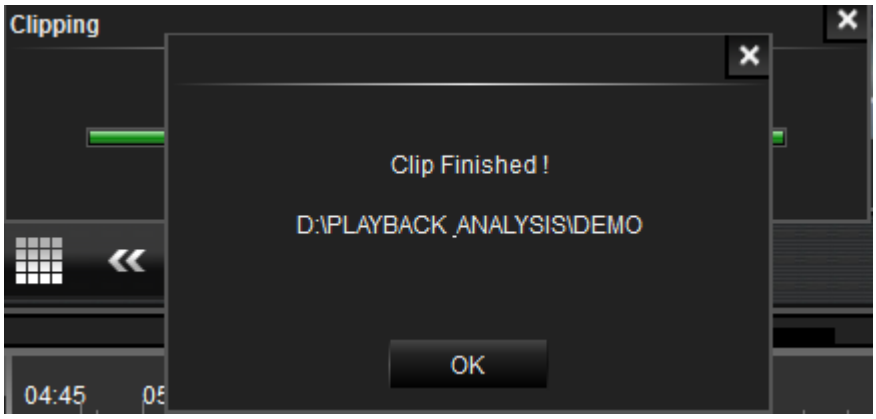


A Password can be used for the .exe file to prevent unauthorised playback.

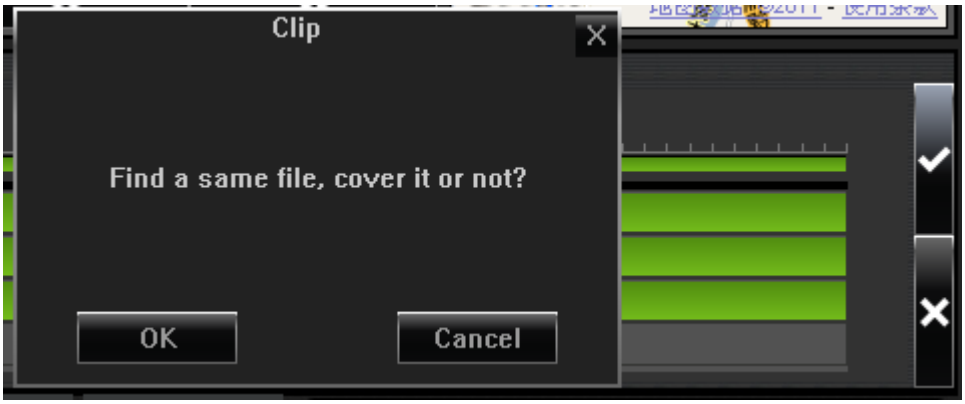
After you selecting all the required data, select ok, the clipping process will begin as follows:



Clip finished



Note * if the video has been clipped previously, you will get a message as follows.



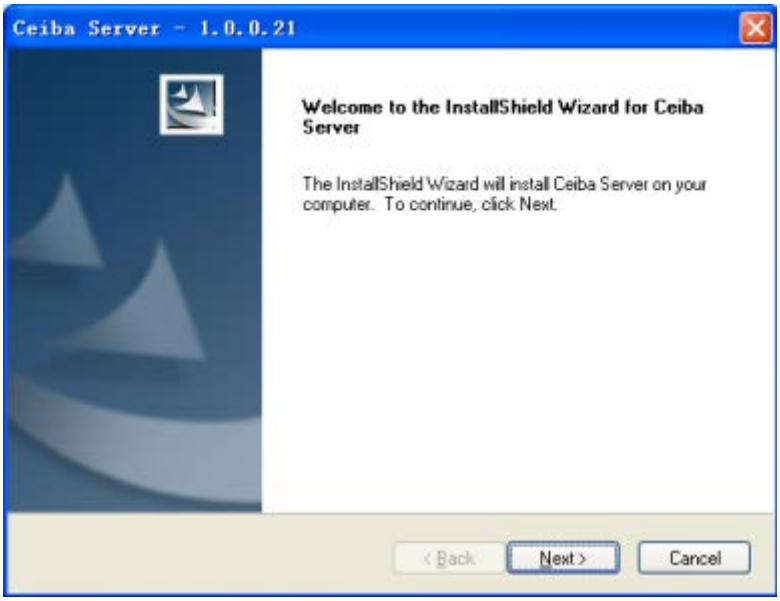
3 Remote Playback Operation (not needed for standalone models)

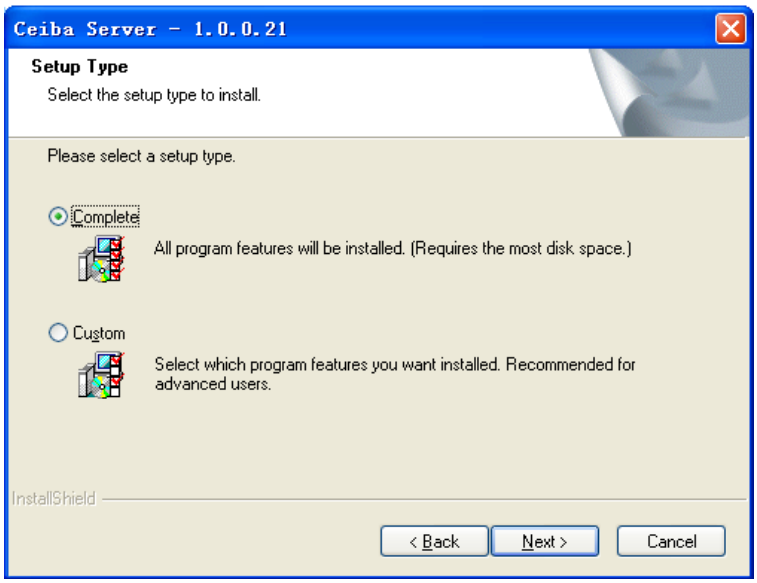
(Remote playback allows playback of the video files within the MDVR hard disk or SD card directly by WIFI or LAN. The MDVR “must” have the WIFI module fitted for this to work.

For remote playback you must setup the Ceiba server and setup the correct network parameters on the MDVR GUI.

3.1 Install Ceiba Server

Double click the install program CeibaServer.exe to install the server software.


Ceiba Server - 1.0.0.21
Welcome to the InstallShield Wizard for Ceiba Server
The InstallShield Wizard will install Ceiba Server on your computer. To continue, click Next.
< Back
Next >
Cancel

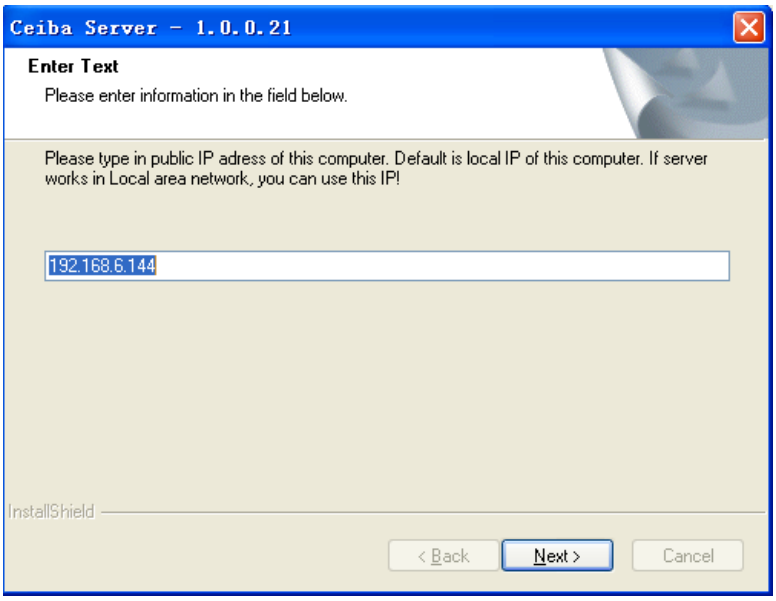

Ceiba Server - 1.0.0.21
Setup Type
Select the setup type to install.
Please select a setup type.
Complete
All program features will be installed. (Requires the most disk space.)
Custom
Select which program features you want installed. Recommended for advanced users.
InstallShield
< Back
Next >
Cancel

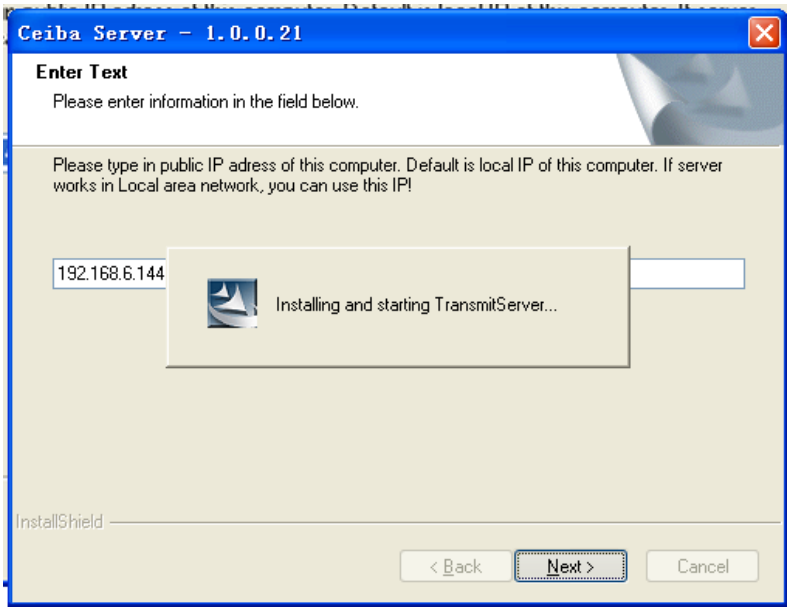
Complete: install the server to default C:\ drive,

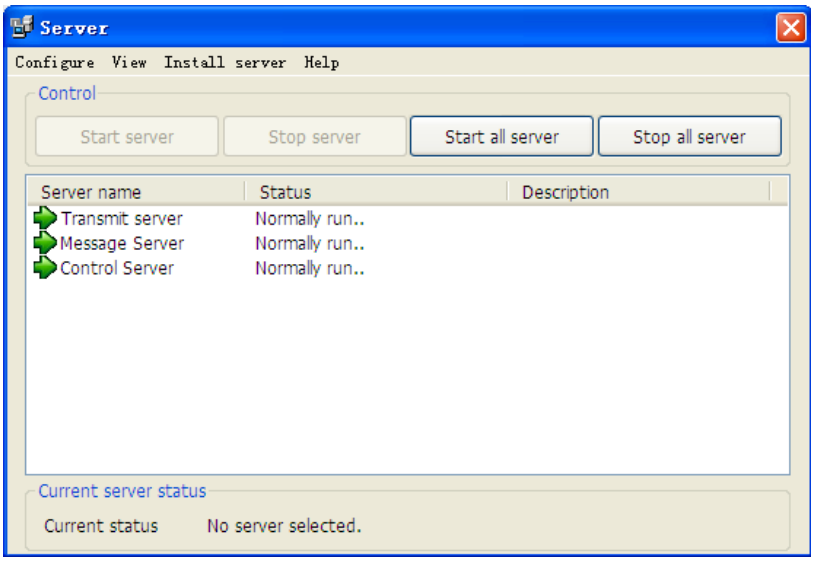
Custom: user defines the installation path and choose server to setup

(Complete is recommended).

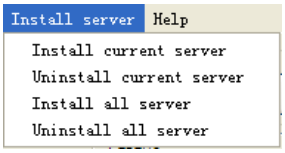
Click on Next, and then setup the server LAN IP as shown below:


Ceiba Server - 1.0.0.21
Enter Text
Please enter information in the field below.
Please type in public IP adress of this computer. Default is local IP of this computer. If server works in Local area network, you can use this IP!
192.168.6.144
InstallShield
< Back
Next >
Cancel


Ceiba Server - 1.0.0.21
Enter Text
Please enter information in the field below.
Please type in public IP adress of this computer. Default is local IP of this computer. If server works in Local area network, you can use this IP!
192.168.6.144
Installing and starting TransmitServer...
InstallShield
< Back
Next >
Cancel


Server
Configure View Install server Help
Control
Start server
Stop server
Start all server
Stop all server
Server name
Status
Description
Transmit server
Normally run..
Message Server
Normally run..
Control Server
Normally run..
Current server status
Current status
No server selected.

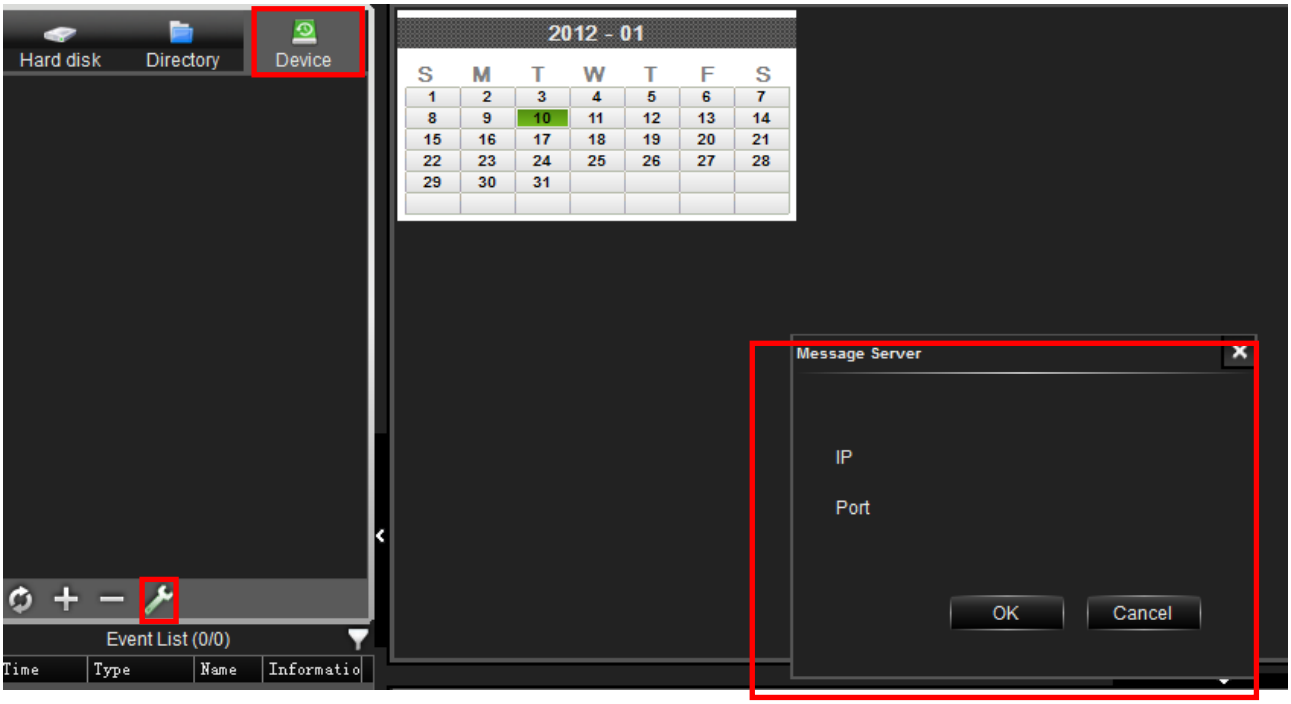
Once the installation is finished, the green icon in front of each server in the above picture indicates this server is running normally. A red cross indicates the server is not operational. If this occurs select the server with the red cross and click “Install server” .



3.2 Ceiba Configuration

3.2.1 Setup the Message Server

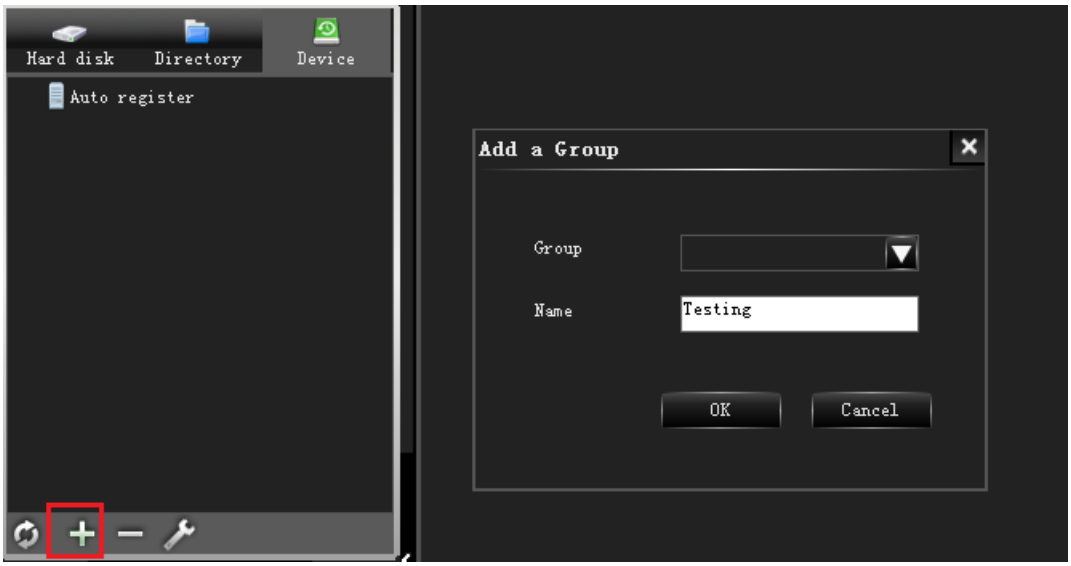
Click the Device Icon tool on the Ceiba Client interface, the Message Server Interface will pop up as follows:



3.2.2 Add the Device Manually

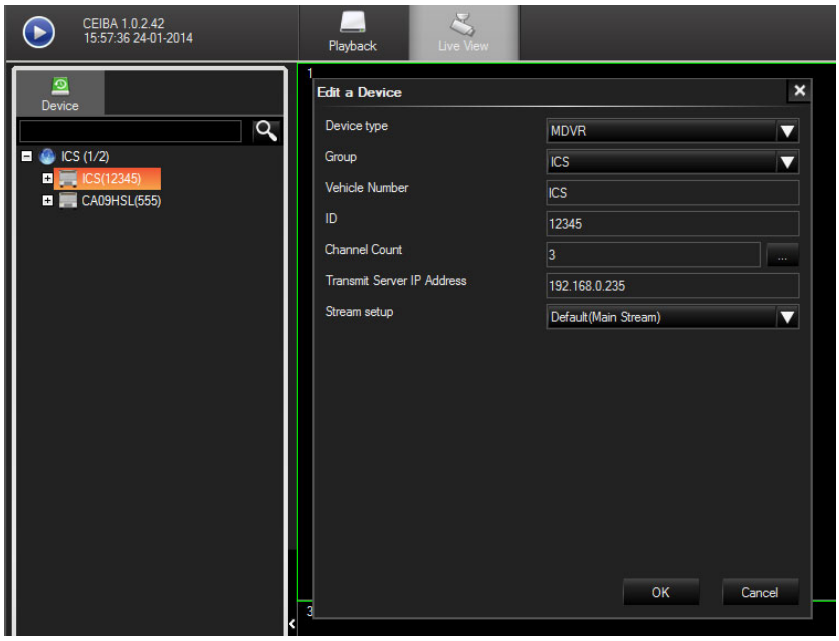
1) Add a group

Select the icon “+” to get the configuration box, and then setup a name for the group：

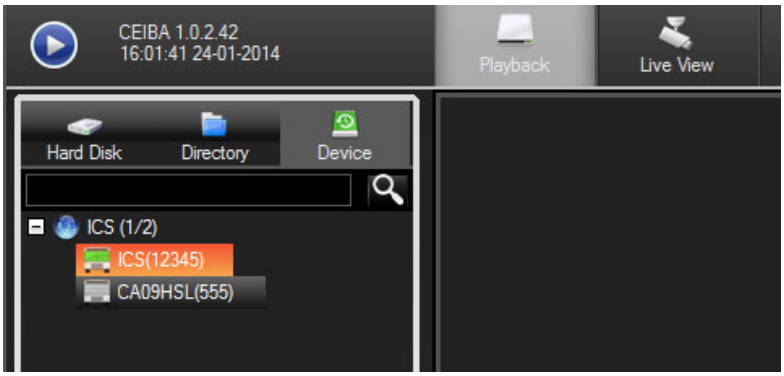


2) Add a device

Right click the group icon that you have added, select add device to get to the configuration window as follows, the transmit server IP is the IP address of the transmit server (default IP: 192.168.0.235).



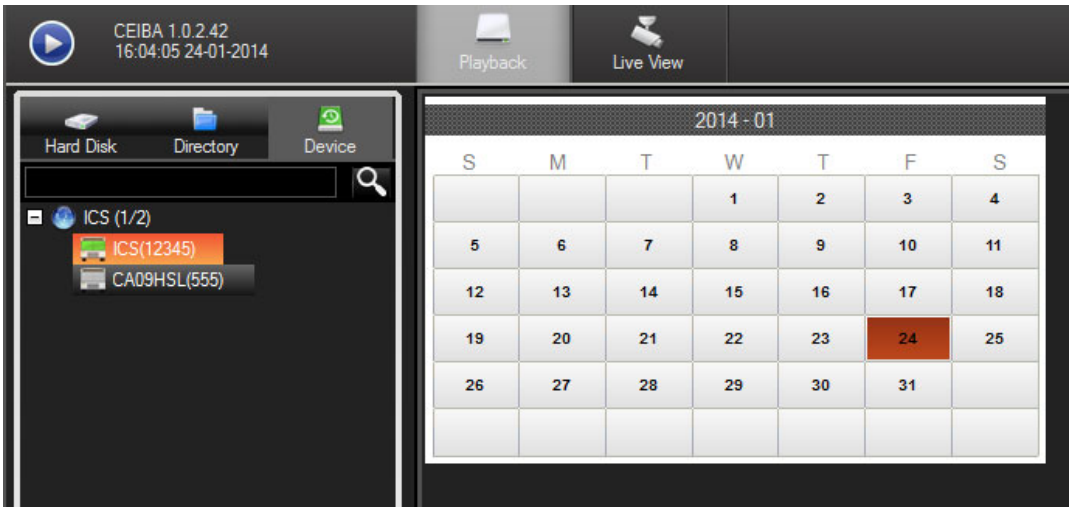
After adding success, you will see the information as follows:



3) Remote Playback

Select the vehicle number icon for playback directly.

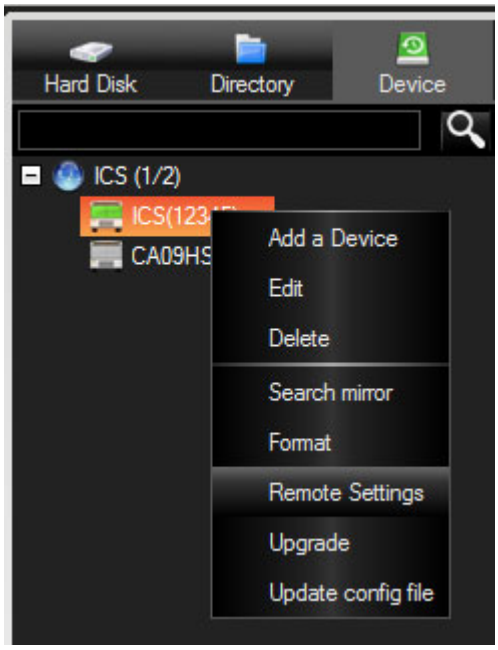
The steps for the remote search and playback is exactly the same as for local playback.



3.2.3 Remote Control (Apply Caution)

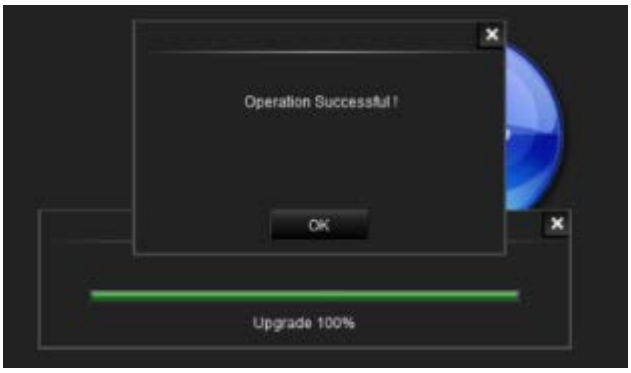
1) Remote upgrade

Right click the online vehicle, you can choose remote upgrade to upgrade the firmware for this device remotely as follows:



CAUTION: if the MDVR is offline, you won't see the setup menu interface. Remote firmware upgrades are "NOT" recommended by the manufacturer. If you do proceed with a remote upgrade please make sure that the MDVR is powered and connected at all times during the upgrade procedure, if power or data is lost the MDVR FLASH can be permanently damaged rendering the MDVR totally and permanently unusable.

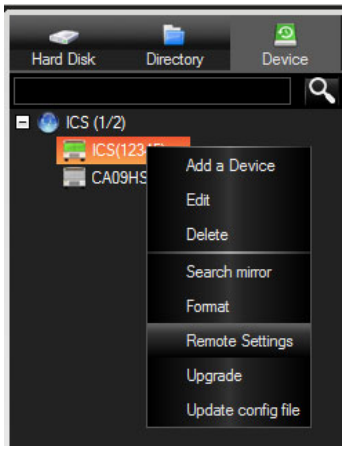
Choose the firmware file that you want to use, make sure the version you want to upgrade is newer than the one currently running within MDVR.



If transmitted is a success, you will get the information as above, it will take several minutes.

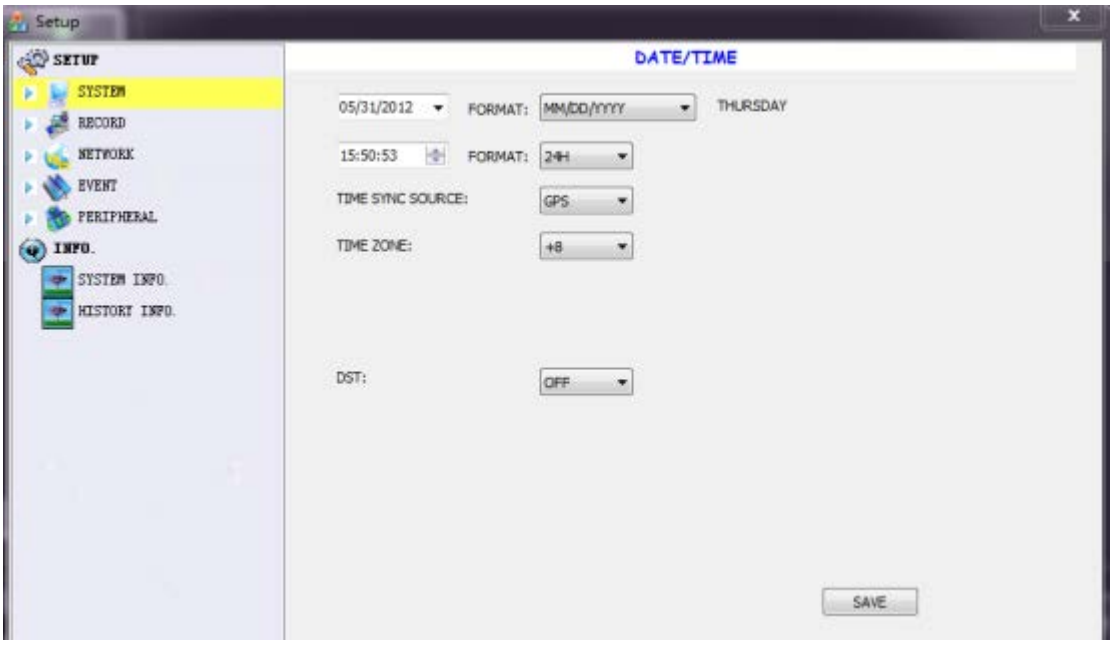
2) Remote configuration

Right click the online vehicle, you can then choose remote config to setup all the parameters of this device remotely, the steps are as follows:



You can choose remote settings to connect to MDVR, if the remote connection is a success, you will see the interface as follows, the ID and password is the one needed when you log into the MDVR locally.

Type in the unit ID and password, the following interface is shown as follows:



The remote configuration interface is very similar as the MDVR GUI, you can change all the settings for MDVR within, when you finished the modifications, select “save” and then the “apply button” to active all the modifications.

3.2.4 Remote Control

Click the setup icon on the right top of the main interface, as show below:

1) Setup the Login Password for Ceiba and Map Format

2) Recording Location Setup